

Release notes for ENDF/B Development n-036_Kr_083
evaluation

ENDF
B-VII.dev

April 26, 2017

- checkr Warnings:

1. A previous error halted parsing of the current section
MAT=3640, MF= 1, MT=451 (1): Parsing stopped

```
ERROR(S) FOUND IN MAT=3640, MF= 1, MT=451
SECTION CANNOT BE CHECKED FROM SEQUENCE NUMBER      90 TO      148
```

- checkr Errors:

1. A variable is outside the allowed ENDF range
MAT=3640, MF= 1, MT=451 (0): Variable range

```
ERROR(S) FOUND IN MAT=3640, MF= 1, MT=451
MOD =      1 OUT OF RANGE      0 -      0      RECORD NUMBER      90
```

2. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3640, MF= 2, MT=151 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=3640, MF= 2, MT=151
SECTION 2/151 NOT IN DIRECTORY      RECORD NUMBER      150
```

3. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3640, MF= 3, MT= 1 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=3640, MF= 3, MT= 1
SECTION 3/ 1 NOT IN DIRECTORY      RECORD NUMBER      417
```

4. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3640, MF= 3, MT= 2 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=3640, MF= 3, MT= 2
SECTION 3/ 2 NOT IN DIRECTORY      RECORD NUMBER      459
```

5. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3640, MF= 3, MT= 4 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=3640, MF= 3, MT= 4
SECTION 3/ 4 NOT IN DIRECTORY      RECORD NUMBER      494
```

6. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3640, MF= 3, MT= 16 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=3640, MF= 3, MT= 16
SECTION 3/ 16 NOT IN DIRECTORY      RECORD NUMBER      534
```

7. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3640, MF= 3, MT= 17 (0): Directory (b)

ERROR(S) FOUND IN MAT=3640, MF= 3, MT= 17
SECTION 3/ 17 NOT IN DIRECTORY RECORD NUMBER 555

8. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3640, MF= 3, MT= 22 (0): Directory (b)

ERROR(S) FOUND IN MAT=3640, MF= 3, MT= 22
SECTION 3/ 22 NOT IN DIRECTORY RECORD NUMBER 561

9. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3640, MF= 3, MT= 28 (0): Directory (b)

ERROR(S) FOUND IN MAT=3640, MF= 3, MT= 28
SECTION 3/ 28 NOT IN DIRECTORY RECORD NUMBER 576

10. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3640, MF= 3, MT= 51 (0): Directory (b)

ERROR(S) FOUND IN MAT=3640, MF= 3, MT= 51
SECTION 3/ 51 NOT IN DIRECTORY RECORD NUMBER 592

11. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3640, MF= 3, MT= 52 (0): Directory (b)

ERROR(S) FOUND IN MAT=3640, MF= 3, MT= 52
SECTION 3/ 52 NOT IN DIRECTORY RECORD NUMBER 632

12. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3640, MF= 3, MT= 53 (0): Directory (b)

ERROR(S) FOUND IN MAT=3640, MF= 3, MT= 53
SECTION 3/ 53 NOT IN DIRECTORY RECORD NUMBER 670

13. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3640, MF= 3, MT= 54 (0): Directory (b)

ERROR(S) FOUND IN MAT=3640, MF= 3, MT= 54
SECTION 3/ 54 NOT IN DIRECTORY RECORD NUMBER 703

14. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3640, MF= 3, MT= 55 (0): Directory (b)

ERROR(S) FOUND IN MAT=3640, MF= 3, MT= 55
SECTION 3/ 55 NOT IN DIRECTORY RECORD NUMBER 736

15. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3640, MF= 3, MT= 56 (0): Directory (b)

- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=3640, MF= 3, MT= 56 | RECORD NUMBER | 769 |
| SECTION 3/ 56 NOT IN DIRECTORY | | |
16. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3640, MF= 3, MT= 57 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=3640, MF= 3, MT= 57 | RECORD NUMBER | 801 |
| SECTION 3/ 57 NOT IN DIRECTORY | | |
17. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3640, MF= 3, MT= 58 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=3640, MF= 3, MT= 58 | RECORD NUMBER | 833 |
| SECTION 3/ 58 NOT IN DIRECTORY | | |
18. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3640, MF= 3, MT= 59 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=3640, MF= 3, MT= 59 | RECORD NUMBER | 865 |
| SECTION 3/ 59 NOT IN DIRECTORY | | |
19. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3640, MF= 3, MT= 60 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=3640, MF= 3, MT= 60 | RECORD NUMBER | 896 |
| SECTION 3/ 60 NOT IN DIRECTORY | | |
20. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3640, MF= 3, MT= 61 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=3640, MF= 3, MT= 61 | RECORD NUMBER | 927 |
| SECTION 3/ 61 NOT IN DIRECTORY | | |
21. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3640, MF= 3, MT= 62 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=3640, MF= 3, MT= 62 | RECORD NUMBER | 958 |
| SECTION 3/ 62 NOT IN DIRECTORY | | |
22. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3640, MF= 3, MT= 63 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=3640, MF= 3, MT= 63 | RECORD NUMBER | 988 |
| SECTION 3/ 63 NOT IN DIRECTORY | | |
23. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3640, MF= 3, MT= 64 (0): Directory (b)

- | | |
|---|--------------------|
| ERROR(S) FOUND IN MAT=3640, MF= 3, MT= 64 | |
| SECTION 3/ 64 NOT IN DIRECTORY | RECORD NUMBER 1018 |
24. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3640, MF= 3, MT= 65 (0): Directory (b)
- | | |
|---|--------------------|
| ERROR(S) FOUND IN MAT=3640, MF= 3, MT= 65 | |
| SECTION 3/ 65 NOT IN DIRECTORY | RECORD NUMBER 1048 |
25. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3640, MF= 3, MT= 91 (0): Directory (b)
- | | |
|---|--------------------|
| ERROR(S) FOUND IN MAT=3640, MF= 3, MT= 91 | |
| SECTION 3/ 91 NOT IN DIRECTORY | RECORD NUMBER 1077 |
26. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3640, MF= 3, MT=102 (0): Directory (b)
- | | |
|---|--------------------|
| ERROR(S) FOUND IN MAT=3640, MF= 3, MT=102 | |
| SECTION 3/102 NOT IN DIRECTORY | RECORD NUMBER 1106 |
27. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3640, MF= 3, MT=103 (0): Directory (b)
- | | |
|---|--------------------|
| ERROR(S) FOUND IN MAT=3640, MF= 3, MT=103 | |
| SECTION 3/103 NOT IN DIRECTORY | RECORD NUMBER 1141 |
28. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3640, MF= 3, MT=104 (0): Directory (b)
- | | |
|---|--------------------|
| ERROR(S) FOUND IN MAT=3640, MF= 3, MT=104 | |
| SECTION 3/104 NOT IN DIRECTORY | RECORD NUMBER 1171 |
29. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3640, MF= 3, MT=105 (0): Directory (b)
- | | |
|---|--------------------|
| ERROR(S) FOUND IN MAT=3640, MF= 3, MT=105 | |
| SECTION 3/105 NOT IN DIRECTORY | RECORD NUMBER 1189 |
30. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3640, MF= 3, MT=106 (0): Directory (b)
- | | |
|---|--------------------|
| ERROR(S) FOUND IN MAT=3640, MF= 3, MT=106 | |
| SECTION 3/106 NOT IN DIRECTORY | RECORD NUMBER 1205 |
31. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3640, MF= 3, MT=107 (0): Directory (b)

- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=3640, MF= 3, MT=107 | RECORD NUMBER | 1214 |
| SECTION 3/107 NOT IN DIRECTORY | | |
32. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3640, MF= 3, MT=111 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=3640, MF= 3, MT=111 | RECORD NUMBER | 1243 |
| SECTION 3/111 NOT IN DIRECTORY | | |
33. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3640, MF= 4, MT= 2 (0): Directory (b)
- | | | |
|--|---------------|------|
| ERROR(S) FOUND IN MAT=3640, MF= 4, MT= 2 | RECORD NUMBER | 1252 |
| SECTION 4/ 2 NOT IN DIRECTORY | | |
34. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3640, MF= 4, MT= 16 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=3640, MF= 4, MT= 16 | RECORD NUMBER | 1699 |
| SECTION 4/ 16 NOT IN DIRECTORY | | |
35. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3640, MF= 4, MT= 17 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=3640, MF= 4, MT= 17 | RECORD NUMBER | 1740 |
| SECTION 4/ 17 NOT IN DIRECTORY | | |
36. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3640, MF= 4, MT= 22 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=3640, MF= 4, MT= 22 | RECORD NUMBER | 1751 |
| SECTION 4/ 22 NOT IN DIRECTORY | | |
37. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3640, MF= 4, MT= 28 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=3640, MF= 4, MT= 28 | RECORD NUMBER | 1778 |
| SECTION 4/ 28 NOT IN DIRECTORY | | |
38. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3640, MF= 4, MT= 51 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=3640, MF= 4, MT= 51 | RECORD NUMBER | 1807 |
| SECTION 4/ 51 NOT IN DIRECTORY | | |
39. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3640, MF= 4, MT= 52 (0): Directory (b)

- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=3640, MF= 4, MT= 52 | RECORD NUMBER | 2049 |
| SECTION 4/ 52 NOT IN DIRECTORY | | |
40. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3640, MF= 4, MT= 53 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=3640, MF= 4, MT= 53 | RECORD NUMBER | 2146 |
| SECTION 4/ 53 NOT IN DIRECTORY | | |
41. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3640, MF= 4, MT= 54 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=3640, MF= 4, MT= 54 | RECORD NUMBER | 2235 |
| SECTION 4/ 54 NOT IN DIRECTORY | | |
42. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3640, MF= 4, MT= 55 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=3640, MF= 4, MT= 55 | RECORD NUMBER | 2322 |
| SECTION 4/ 55 NOT IN DIRECTORY | | |
43. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3640, MF= 4, MT= 56 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=3640, MF= 4, MT= 56 | RECORD NUMBER | 2407 |
| SECTION 4/ 56 NOT IN DIRECTORY | | |
44. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3640, MF= 4, MT= 57 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=3640, MF= 4, MT= 57 | RECORD NUMBER | 2601 |
| SECTION 4/ 57 NOT IN DIRECTORY | | |
45. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3640, MF= 4, MT= 58 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=3640, MF= 4, MT= 58 | RECORD NUMBER | 2682 |
| SECTION 4/ 58 NOT IN DIRECTORY | | |
46. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3640, MF= 4, MT= 59 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=3640, MF= 4, MT= 59 | RECORD NUMBER | 2869 |
| SECTION 4/ 59 NOT IN DIRECTORY | | |
47. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3640, MF= 4, MT= 60 (0): Directory (b)

- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=3640, MF= 4, MT= 60 | RECORD NUMBER | 2946 |
| SECTION 4/ 60 NOT IN DIRECTORY | | |
48. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3640, MF= 4, MT= 61 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=3640, MF= 4, MT= 61 | RECORD NUMBER | 3123 |
| SECTION 4/ 61 NOT IN DIRECTORY | | |
49. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3640, MF= 4, MT= 62 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=3640, MF= 4, MT= 62 | RECORD NUMBER | 3196 |
| SECTION 4/ 62 NOT IN DIRECTORY | | |
50. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3640, MF= 4, MT= 63 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=3640, MF= 4, MT= 63 | RECORD NUMBER | 3334 |
| SECTION 4/ 63 NOT IN DIRECTORY | | |
51. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3640, MF= 4, MT= 64 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=3640, MF= 4, MT= 64 | RECORD NUMBER | 3470 |
| SECTION 4/ 64 NOT IN DIRECTORY | | |
52. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3640, MF= 4, MT= 65 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=3640, MF= 4, MT= 65 | RECORD NUMBER | 3627 |
| SECTION 4/ 65 NOT IN DIRECTORY | | |
53. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3640, MF= 4, MT= 91 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=3640, MF= 4, MT= 91 | RECORD NUMBER | 3779 |
| SECTION 4/ 91 NOT IN DIRECTORY | | |
54. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3640, MF= 5, MT= 16 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=3640, MF= 5, MT= 16 | RECORD NUMBER | 3845 |
| SECTION 5/ 16 NOT IN DIRECTORY | | |
55. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3640, MF= 5, MT= 17 (0): Directory (b)

ERROR(S) FOUND IN MAT=3640, MF= 5, MT= 17
SECTION 5/ 17 NOT IN DIRECTORY RECORD NUMBER 4025

56. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3640, MF= 5, MT= 22 (0): Directory (b)

ERROR(S) FOUND IN MAT=3640, MF= 5, MT= 22
SECTION 5/ 22 NOT IN DIRECTORY RECORD NUMBER 4055

57. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3640, MF= 5, MT= 28 (0): Directory (b)

ERROR(S) FOUND IN MAT=3640, MF= 5, MT= 28
SECTION 5/ 28 NOT IN DIRECTORY RECORD NUMBER 4158

58. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3640, MF= 5, MT= 91 (0): Directory (b)

ERROR(S) FOUND IN MAT=3640, MF= 5, MT= 91
SECTION 5/ 91 NOT IN DIRECTORY RECORD NUMBER 4271

• fudge-4.0 Warnings:

1. Missing a channel with a particular angular momenta combination
resonances / resolved / MultiLevel BreitWigner (Error # 0): missingResonanceChannel

WARNING: Missing a channel with angular momenta combination L = 0, J = 3.0 and S = 3.0 for "capture"

2. Potential scattering hasn't converted, you need more L's!
resonances / resolved (Error # 1): potentialScatteringNotConverged

WARNING: Potential scattering hasn't converged by L=0 at E=272.0 eV, xs[0]/xs[0]=100.0% > 0.1%

3. Cross section does not match sum of linked reaction cross sections
crossSectionSum label 0: total (Error # 0): CS Sum.

WARNING: Cross section does not match sum of linked reaction cross sections! Max diff: 0.23%

• fudge-4.0 Errors:

1. Calculated and tabulated Q values disagree.
reaction label 17: n[multiplicity:'2'] + Kr82 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -7335620.022369385 eV vs -7.4624e6 eV!

2. Calculated and tabulated Q values disagree.
reaction label 18: n[multiplicity:'3'] + Kr81 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -18302407.51991272 eV vs -1.8428e7 eV!

3. Calculated and tabulated Q values disagree.
reaction label 19: n + H1 + Br82 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -9646317.0650177 eV vs -9.7725e6 eV!

4. Calculated and tabulated Q values disagree.
reaction label 20: Kr84 + gamma (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: 10648497.52746582 eV vs 1.052e7 eV!

5. Calculated and tabulated Q values disagree.
reaction label 21: n + He4 + Se79 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -6361124.866119385 eV vs -6.4872e6 eV!

6. Calculated and tabulated Q values disagree.
reaction label 22: H1[multiplicity:'2'] + Se82 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -8766426.232635498 eV vs -8.8932e6 eV!

7. Calculated and tabulated Q values disagree.
reaction label 23: H1 + Br83_s (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -62534.61445617676 eV vs -190030. eV!

8. Calculated and tabulated Q values disagree.
reaction label 24: H2 + Br82_s (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -7421750.964080811 eV vs -7.5479e6 eV!

9. Calculated and tabulated Q values disagree.
reaction label 25: H3 + Br81_s (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -8757461.096130371 eV vs -8.8832e6 eV!

10. Calculated and tabulated Q values disagree.
reaction label 26: He3 + Se81_s (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -10324189.80924988 eV vs -1.045e7 eV!

11. Calculated and tabulated Q values disagree.
reaction label 27: He4 + Se80_s (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: 3552526.639816284 eV vs 3.426e6 eV!

- njoy2012 Warnings:

1. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
grouppr...compute self-shielded group-averaged cross-sections (0): GROUPR/conver (0)

---message from conver---cannot do complete particle production for mt= 16
only mf4/mf5 provided

2. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
group...compute self-shielded group-averaged cross-sections (1): GROUPR/conver (0)

---message from conver---cannot do complete particle production for mt= 17
only mf4/mf5 provided

3. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
group...compute self-shielded group-averaged cross-sections (2): GROUPR/conver (0)

---message from conver---cannot do complete particle production for mt= 22
only mf4/mf5 provided

4. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
group...compute self-shielded group-averaged cross-sections (3): GROUPR/conver (0)

---message from conver---cannot do complete particle production for mt= 28
only mf4/mf5 provided

5. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
group...compute self-shielded group-averaged cross-sections (4): GROUPR/conver (0)

---message from conver---cannot do complete particle production for mt= 91
only mf4/mf5 provided